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From: Guria, Peter
Sent: Wed 9/9/2015 7:22:14 PM
Subject: R9 Lake Powell Surface Water Data from 8/23 to Load
[R09_SurfaceWater_Summary Table 09032015 \(1\).xlsx](#)

This data submission presents data for surface water samples collected on 8/23 from Lake Powell only.

Human Health Risk Screening Levels

The reported dissolved and total concentrations on metals in surface water to the health-based screening levels for a 64-day recreational exposure developed by R8 for this incident; I also compared the dissolved metals concentrations to federal MCLs. **All metals concentrations (both dissolved and total) in Lake Powell surface water were below the recreational surface water screening levels and all dissolved metals concentrations met (were below) federal MCLs.**

Navajo Nation Agricultural & Livestock Screening Levels:

I also compared the reported dissolved and total concentrations on metals in surface water to current Agricultural and Livestock Watering screening levels developed by the Navajo Nation Water Quality Program. **All metals concentrations (both dissolved and total) in Lake Powell surface water were below applicable Navajo Nation Agricultural and Livestock water screening levels.**

Ecological risk Screening Levels

Surface Water samples exceeded the available ecological benchmarks for acute NRWQC (no chronic level available) **for** the following metals/locations/dates (the criteria apply to dissolved concentrations; exceedances are reported for dissolved values only):

Dissolved Barium in samples: LP-15-SRF, LP-15-THM, LP-15-MHY, LP-15-B2

Peter Guria, Former Deputy Incident Commander

Now – R9 EU Leader

Gold King Mine Response

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